

Claims

1. Method for management of resources of portable resource modules (1), which modules are each connected to a communication terminal (2) and are designed in particular as chipcard, the resources comprising electronic memory units (11), the method comprising:
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- transmitting a first resource management instruction comprising a module identification to a resource management centre (4),
 - transmitting a second resource management instruction from the resource management centre (4) via a communication network (3) to the resource module (1) identified through the module identification,
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 - making ready or releasing resources, in accordance with the received second resource management instruction, through a resource control mechanism (111) in the identified resource module (1),
 - transmitting a resource management confirmation from the identified resource module (1) via the communication network (3) to the resource management centre (4), and
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 - storing information in the resource management centre (4) about the resources made ready or released, the information being stored assigned to the module identification.
- 20 2. Method according to claim 1, wherein the module identification and an application request are transmitted by the user of the communication terminal (2) to an application management unit (5), wherein the first resource management instruction is transmitted by the application management unit (5) to the resource management centre (4) on the basis
- 25 of the received application request, the first resource management instruction comprising a resource user identification, and wherein the resource user identification is stored, assigned to the module identification, in the resource management centre (4).

3. Method according to claim 2, wherein a resource preparation confirmation is transmitted from the resource management centre (4) to the application management unit (5), wherein an application installation request is transmitted from the application management unit (5) via the communication network (3) to the particular resource module (1), wherein an application is installed in the particular resource module (1) through the resource control mechanism (111) in accordance with the application installation request using the prepared resources, and wherein information about the installed application is stored in the application management unit (5), the information being stored assigned to the module identification.
4. Method according to one of the claims 1 or 2, wherein in the resource management centre (4) an application installation request is inserted into the second resource management instruction, wherein an application is installed in the particular resource module (1) through the resource control mechanism (111) in accordance with the application installation request, and wherein information about the installed application is stored in the resource management centre (4), the information being stored assigned to the module identification.
5. Method according to one of the claims 1 to 4, wherein the communication address of the communication terminal (2) is determined from a data store (32) in which module identifications and communication addresses assigned to these module identifications are stored.
6. Method according to one of the claims 1 to 5, wherein managed in addition are software resources (113) of the resource modules (1).
7. System comprising a multiplicity of portable resource modules (1, 1'), each connected to a communication terminal (2, 2', 2'') and each comprising a resource control mechanism (111) for making ready and releasing resources in the respective resource module (1, 1'), the resources comprising electronic memory units (11), and which portable resource modules are designed in particular as chipcards, wherein

the system comprises a resource management centre (4) with a receiving module (43) for receiving a first resource management instruction, comprising a module identification, transmitted to the resource management centre (4),

5 the resource management centre (4) comprises a management instruction module (44) for transmitting to the resource module (1) identified by the module identification a second resource management instruction via a communication network (3) connected to the resource management centre (4),

10 the resource modules (1) each comprise a confirmation module (112) for transmission of a resource management confirmation via the communication network (3) to the resource management centre (4) concerning resources which have been made ready or released through the resource control mechanism (111) in accordance with a received
15 second resource management instruction, and

the resource management centre (4) comprises a management module (45) and a data store (41) for storing information about the resources made ready or released, the information being stored assigned to the module identification.

20 8. System according to claim 7, wherein the system comprises an application management unit (5) for receiving the module identification and an application request from the user of the communication terminal (2) and for transmitting the first resource management instruction to the resource management centre (4) on the basis of the received application request,
25 the first resource management instruction comprising a resource user identification, and wherein the management module (45) comprises means for storing in the data store (41) the resource user identification in a way assigned to the module identification.

9. System according to claim 8, wherein the resource management module
30 (4) comprises a confirmation module (46) for transmission of a resource

preparation confirmation to the application management unit (5), wherein the application management unit (5) comprises an application instructions module (54) for transmitting an application installation request via the communication network (3) to the particular resource module (1), wherein
 5 the resource control mechanism (111) comprises means for installing an application in the respective resource module (1) in accordance with the application installation request and using the prepared resources, and wherein the application management unit (5) comprises an application management module (55) for storing information about the installed
 10 application, the information being stored assigned to the module identification.

10. System according to one of the claims 7 or 8, wherein the management instruction module (44) comprises means for inserting an application installation request into the second resource management instruction,
 15 wherein the resource control mechanism (111) comprises means of installing an application in the respective resource module (1) in accordance with the application installation request, and wherein the management module (45) comprises means for storing information about the installed application, the information being stored, assigned to the
 20 module identification, in the data store (41).

11. System according to one of the claims 7 to 10, wherein it comprises an address mapping unit (31) and a data store (32) for determining the communication address of the communication terminal (2) in which data store (32) module identifications and communication addresses assigned
 25 to these module identifications are stored.

12. System according to one of the claims 7 to 11, wherein the resources which are made ready and released through the resource control mechanism (111) further comprise in addition software resources (113).

13. Resource management centre (4) for management of resources of
 30 portable resource modules (1, 1'), each connected to a communication terminal (2, 2', 2''), and each comprising a resource control mechanism

(111) for making ready and releasing resources in the respective resource module (1), the resources comprising electronic memory units (11), and which portable resource modules are designed in particular as chipcards,

5 wherein the resource management centre (4) comprises a receiving module (43) for receiving a first resource management instruction, comprising a module identification, transmitted to the resource management centre (4),

10 wherein the resource management centre (4) comprises a management instruction module (44) for transmitting to the resource module (1) identified through the module identification a second resource management instruction via a communication network (3) connectible to the resource management centre (4),

15 wherein the resource management centre (4) comprises means for receiving a resource management confirmation via the communication network (3) from the identified resource module (1) concerning resources which have been made ready or released through the resource control mechanism (111) in accordance with the received second resource management instruction, and

20 wherein the resource management centre (4) comprises a management module (45) and a data store (41) for storing information about the resources made ready or released, the information being stored in a way assigned to the module identification.

14. 25 Resource management centre (4) according to claim 13, wherein the management instruction module (44) comprises means for inserting an application installation request into the second resource management instruction, and wherein the management module (45) comprises means for storing information about an application installed in the particular resource module (1) in accordance with the application installation request, the information being stored, assigned to the module identification, in the data store (41).
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15. Resource management centre (4) according to claim 13, wherein the resource management centre (4) comprises a confirmation module (46) for transmitting a resource preparation confirmation to an application management unit (5) from which the first resource management instruction was received by the receiving module (43), wherein the management module (45) comprises means for storing a resource user identification contained in the first resource management instruction, the resource user identification being stored, assigned to the module identification, in the data store (41).